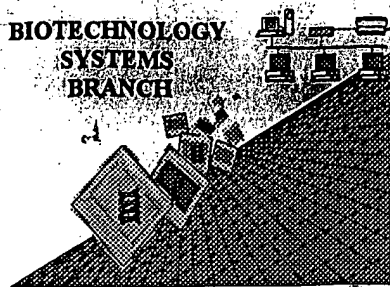


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



TECH CENTER 1600/2900

JAN 25 2002

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/666,837A  
Source: 1646  
Date Processed by STIC: 6/29/2001

RECEIVED

JUL 19 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**  
**VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

JUL 19 2001

## Raw Sequence Listing Error Summary

TECH CENTER 1600/2900

ERROR DETECTED    SUGGESTED CORRECTIONSERIAL NUMBER: 09/666,837A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino    The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII    The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length    Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0    A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid "bug"    sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
(OLD RULES)    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                  (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                  This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
(NEW RULES)    <210> sequence id number  
                  <400> sequence id number  
                  000
- 9      Use of n's or Xaa's    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>    Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or  
Response    scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>    Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses.  
                  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or  
                  "Unknown." Please explain source of genetic material in <220> to <223> section.  
                  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0    Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,  
"bug"    resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

1646

## RAW SEQUENCE LISTING

DATE: 06/29/2001

PATENT APPLICATION: US/09/666,837A

TIME: 12:09:01

Input Set : A:\206a-rsq.txt

Output Set: N:\CRF3\06292001\I666837A.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: Cornell-Bell, Ann H.  
 4 Pemberton, Karen E.  
 5 Temple Jr., Davis L.  
 6 Layer, Richard T.  
 7 McCabe, R. Tyler  
 8 Jones, Robert M.  
 9 Cognetix, Inc.  
 11 <120> TITLE OF INVENTION: Uses of Kappa-Conotoxin PVIIA  
 13 <130> FILE REFERENCE: Kappa-PVIIA  
 15 <140> CURRENT APPLICATION NUMBER: US/09/666,837A  
 16 <141> CURRENT FILING DATE: 2000-09-21  
 18 <150> PRIOR APPLICATION NUMBER: US 60/219,438  
 19 <151> PRIOR FILING DATE: 2000-07-20  
 21 <150> PRIOR APPLICATION NUMBER: US 60/155,135  
 22 <151> PRIOR FILING DATE: 1999-09-22  
 24 <160> NUMBER OF SEQ ID NOS: 25  
 26 <170> SOFTWARE: PatentIn Ver. 2.0

## ERRORED SEQUENCES

467 <210> SEQ ID NO: 25  
 468 <211> LENGTH: 27  
 469 <212> TYPE: PRT  
 470 <213> ORGANISM: Conus purpurascens  
 472 <220> FEATURE:  
 473 <221> NAME/KEY: PEPTIDE  
 474 <222> LOCATION: (1)..(27)  
 475 <223> OTHER INFORMATION: Xaa is Hyp  
 477 <400> SEQUENCE: 25  
 478 Cys Arg Ile Xaa Ala Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys  
 479 1 5 10 15  
 481 Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val  
 482 20 25  
 E--> 487 1 delete at end of file  
 E--> 490 1

see next page for more errors

09/666,837A 2

<210> 20  
<211> 27  
<212> PRT  
<213> Conus purpurascens

<220>  
<221> PEPTIDE  
<222> (1)..(27)

<400> 20  
Cys Arg Ile Xaa Asn Gln Lys Cys Phe Gln His Ala Asp Asp Cys Cys  
1 5 10 15

Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val  
20 25

*PS*  
**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/666,837A

DATE: 06/29/2001

TIME: 12:09:02

Input Set : A:\206a-rsq.txt

Output Set: N:\CRF3\06292001\I666837A.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number  
 L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
 L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
 L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
 L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
 L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
 L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
 L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
 L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
 L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
 L:193 M:283 W: Missing Blank Line separator, <220> field identifier  
 L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
 L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10  
 L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
 L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
 L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
 L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
 L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
 L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
 L:341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
 L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
 L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
 L:394 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20  
 L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
 L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
 L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
 L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
 L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
 L:487 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:25  
 M:332 Repeated in SeqNo=25